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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

02/11/2004

C. John Brannon Woodard, Emhardt, Naughton, Moriarty and McNett Bank One Center/Tower 111 Monument Circle, Suite 3700 Indianapolis, IN 46204-5137 EXAMINER

CARIASO, ALAN B

ART UNIT

PAPER NUMBER

2875

DATE MAILED: 02/11/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/992,320	11/19/2001	Eric R. Shute	12003-218	7358

TITLE OF INVENTION: COMBINED OPTICAL LIGHT PIPE AND PROTECTIVE ENCLOSURE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	05/11/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status.
 See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks I through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block I, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

maintenance fee notificatio	ns.	, , , , , , , ,					
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)			Fee(s)	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
7590 02/11/2004			have it				
C. John Brannon Woodard, Emhardt, Naughton, Moriarty and McNett Bank One Center/Tower 111 Monument Circle, Suite 3700			I herek States addres transm	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.			
Indianapolis, IN 4						(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE	FIRST NAME	D INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/992,320	11/19/2001	Eric R	R. Shute		12003-218	7358	
TITLE OF INVENTION: C	COMBINED OPTICAL LIGI	HT PIPE AND PROTECTIVE	ENCLOSURE				
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICA	TION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1330	\$3	100	\$1630	05/11/2004	
EXAM	MINER	ART UNIT	CLASS-SI	JBCLASS			
CARIASO	O, ALAN B	2875	362-5	82000			
PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME ANI PLEASE NOTE: Unless	s an assignee is identified be ed to the USPTO or is being	tion form e of a Customer BE PRINTED ON THE PATEN low, no assignee data will apper submitted under separate cover.	T (print or type)	o name is list Inclusion of this form is NO	assignee data is only approprior a substitute for filing an ass	ate when an assignment has ignment.	
Please check the appropriat	e assignee category or catego	ories (will not be printed on the	patent); 🗖 i	ndividual 🗆	corporation or other private gi	roup entity 🚨 government	
4a. The following fee(s) are	enclosed:	4b. Payment of	f Fee(s):				
☐ Issue Fee		☐ A check	in the amount of	mount of the fee(s) is enclosed.			
☐ Publication Fee ☐ Payment by credit		•	lit card. Form PTO-2038 is attached.				
☐ Advance Order - # of Copies ☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).							
Director for Patents is reque	ested to apply the Issue Fee a	nd Publication Fee (if any) or to	re-apply any p	reviously paid	issue fee to the application ide	ntified above.	
(Authorized Signature)		(Date)					
NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.			party in				
This collection of information is required by 37 CFR 1.311. The information is reobtain or retain a benefit by the public which is to file (and by the USPTO to prapplication. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This col estimated to take 12 minutes to complete, including gathering, preparing, and subm completed application form to the USPTO. Time will vary depending upon the in case. Any comments on the amount of time you require to complete this for suggestions for reducing this burden, should be sent to the Chief Information Offi Patent and Trademark Office, U.S. Department of Commerce, Alexandria, 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS AE SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.			tting the dividual and/or er, U.S. Virginia DRESS.		·	·	
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Woodard, Emhardt, Naughton, Moriarty and McNett Bank One Center/Tower			ART UNIT	PAPER NUMBER
111 Monument Circle, Suite 3700			2875	
Indianapolis, IN 46204-5137		DATE MAILED: 02/11/2004		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)		
	00/003 330	DALTON ET AL		
Notice of Allowability	09/992,320 Examiner	DALTON ET AL. Art Unit		
•				
	Alan Cariaso	2875		
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject t	plication. If not included n will be mailed in due course. THIS		
1. \boxtimes This communication is responsive to $\underline{\textit{RCE w/ response file}}$	d 9 January 2004.			
2. The allowed claim(s) is/are <u>1-4,6-12 and 16-19</u> .				
3. \boxtimes The drawings filed on <u>19 November 2001</u> are accepted by	the Examiner.			
 4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do 	e been received. e been received in Application No			
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements		
5. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give				
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) I including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO	-948) attached		
1) hereto or 2) to Paper No./Mail Date				
(b) including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment or in the (Office action of		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t				
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL FOR THE DEPOSIT OF BIOLOGIC	must be submitted. Note the CAL MATERIAL.		
Attachment(s)				
1. Notice of References Cited (PTO-892)		Patent Application (PTO-152)		
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Da	ite		
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 				
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Statem 9. □ Other	Alan Cariaso Frimary Examiner		
		Art Unit: 2875		

Application/Control Number: 09/992,320 Page 2

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: Claims 1-4, 6-12 and 16-19 are allowable because none of the prior art of record discloses or suggests: a first pocket formed in and substantially encased by an optically transparent volume, the first pocket defining a three-dimensional negative object within the transparent volume, the first pocket encloses a partial vacuum and filled with a gas of air, the first pocket having a second refractive index substantially less than a first refractive index of the optically transparent volume, the first pocket shaped to reflect a beam of light passing from an optical entry point defined on a surface of the transparent volume to an optical transit point; a second pocket defines a second three-dimensional negative object formed within and substantially encapsulated by the optically transparent volume having a third refractive index substantially less than the first refractive index, the second pockets is shaped to totally internally reflect a beam of light from the first pocket passing through the optical transit point and incident upon the second pocket to an optical exit point defined within the optically transparent volume; a hollow recess positioned between the optical transit point and the optical exit point; the recess is positioned such that light redirected from the second pocket or cavity shines through the recess; and wherein light shining through the transparent member is totally internally reflected by the first and second enclosed pockets.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alan Cariaso whose telephone number is (571) 272-2366. The examiner can normally be reached on 9-5:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Cariaso Alan Prin/ary Examiner

Art Unit 2875

AC

February 9, 2004